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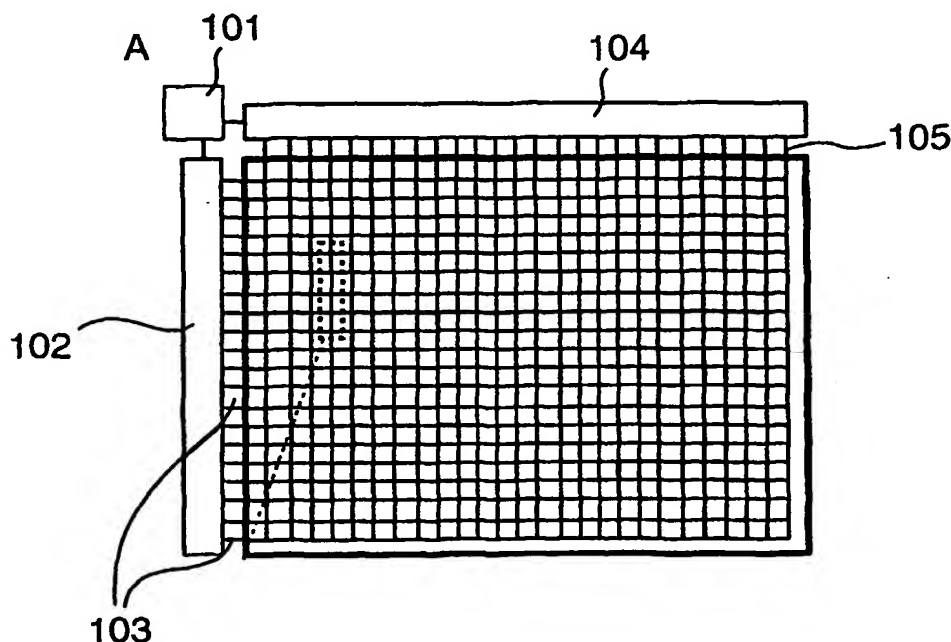
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(54) Title: **LUMINESCENCE AND COLOR VARIATION COMPENSATION IN A FLEXIBLE DISPLAY**



(57) Abstract: A gray level compensation mechanism is proposed for flexible displays. Flexible displays exhibit cell gap variations upon bending. The cell gap is measured during operation of the display (capacitive, piezoelectric). The pixel voltage is adjusted according to the measured cell gap. This results in a gray level that is independent of the local bending radius.



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